

Altitude CP-2100 Series of PTZ Cameras

Network Dome Cameras



- **Dual-stream H.264 and MPEG-4 video**
- **Multi video resolution settings at up to D1**
- **SD Slot Available**
- **Dual 2x30fps NTSC / 2x25fps PAL**
- **Advanced 1/4" DSP CCD camera with 18x, 30x, and 36x optical zoom, 12x digital zoom**
- **Bi-Directional Audio**
- **Preset, pattern and area title capability**
- **Flip Functionality**
- **Anti-ice and anti-mist, built-in heater and air circulating system (outdoor only)**
- **Vandal-resistant polycarbonate bubble - standard**
- **Tinted (Smoked) Vandal Resistant Bubble option**
- **Unicast or Multicast**
- **Exceeds IP66 and NEMA-4 specifications**
- **24VAC and PoE+ on Indoor models**
- **Mounting options include wall, pendant, corner and over-the-roof mounts**
- **Remote access for configuration, administration, viewing and control via standard web browser, via supported system software, configuration tool, and telnet.**



H.264 / MPEG4 PTZ Cameras with 18x, 30x and 36x Optical Zoom, D1 Resolution, Color-Day/Night with Wide Dynamic Range

The CP-2100 Series of industrial-grade, high-resolution IP PTZ dome cameras incorporate the latest DSP technology to provide unparalleled video quality. The CP-2100 camera systems are designed to meet the toughest surveillance applications with a complete set of programmable camera features including high-speed precision camera presets, patterns, guard tours, privacy windows as well as a user friendly on screen programming interface. Available for indoor and outdoor applications, the CP-2100 series is well suited for the most demanding security and surveillance applications.

The Altitude CP-2100 cameras are ideal in both indoor and outdoor installations and all types of environments. This camera is the preferred choice for use in Airports, Detentions/Prisons, Municipal applications, Seaports, Tollway/Traffic installations and more.

The camera provides dual video streams in both H.264 and MPEG-4 (ISO) for up to 2x30/25 Frames Per Second (FPS) for viewing and recording with 100% image quality. This affords excellent image response and efficient bandwidth utilization.

In addition, DVTEL's Scene Adaptive Algorithms provide the highest image quality at the lowest bandwidth and storage requirements. In most cases, these cameras can maintain 30/25FPS (NTSC/PAL) at D1 resolution with only 1-1.5Mbps per stream

Bi-directional audio is available for users to remotely listen in to the area surrounding the camera and communicate with visitors or intruders. Analog output via BNC is also available.

IEEE compliant, the entire Altitude Series of network cameras utilize the latest in multicast networking technology which enables a single stream to be transmitted to multiple viewers on the network simultaneously, further reducing bandwidth and providing more flexibility options for installation.

For indoor models, 802.03at/POE+ Power over Ethernet supplies power to the camera via the network, eliminating the need for additional cabling and reducing installation costs.

DVTEL offers a full line of IP cameras and encoders to meet your every need. Please see our IP Camera and Encoder Family Guide at www.dvtel.com/products/edge-devices to explore your options.

Altitude CP-2100 Series

Network PTZ Domes

General Specifications

	18x Day/Night WDR	30x Day/Night WDR	36x Day/Night WDR
Image Sensor	¼-inch CCD	¼-inch CCD	¼-inch CCD
Video Resolution	540TVL	540TVL	540TVL
Zoom - Optical/Digital	18x / 12x	30x / 12x	36x / 12x
Scanning system	2:1 Interlacing		
Pixel Array NTSC / PAL	768x494 / 752x582	768x494 / 752x582	768x494 / 752x582
Signal Processing	Sony SS4	Sony SS4	Sony SS4
Min Illumination @ 50IRE F1.4	0.1 (Day) 0.01 (Night) lux	0.1 (Day) 0.01 (Night) lux	0.1 (Day) 0.01 (Night) lux
Digital Slow Shutter (DSS)	Yes – 1/1 – 1/10,000 Auto (Up to 32X Sensitivity Boost)		
Wide Dynamic Range (WDR)	Yes	Yes	Yes
Automatic White Balance (AWB)	Auto/Manual		
Backlight Compensation (BLC)	Automatic		
Signal to Noise Ratio (SNR)	≥50dB		
Electronic Image Stabilization	On/Off		
Automatic Gain Control (AGC)	Yes		
Iris	Auto/Manual		
Focus	Auto/Manual		
Day/Night Mode	Auto / On/Off		
IR Cut filter	Auto / On/Off		
Shutter Speed	1/1~1/10,000 : Seamless		
Minimum Focal Distance	0.5m (wide) - 1.0m (tele)		
Varifocal Length	4.1mm – 73.8	3.6mm - 108mm	3.4mm - 122.4mm
Angle of View	Wide 52° / Tele 2.8°	Wide 54° / Tele 1.8°	Wide 55.8° / Tele 1.55°
Video			
Video Standard	NTSC / PAL		
Video Compression Standard	H.264 / MPEG-4, ISO standard, Dual Stream;		
Frame Rate	2x30 FPS (NTSC) and 2x25 (PAL) FPS all Resolutions		
Video Resolution	Scalable from CIF-D1: 352x240 to 720x480 (NTSC) 352x288 to 720x576 (PAL)		
Bandwidth	Configurable between 64 Kbps and 6 Mbps		
Audio			
Bi-directional Audio	Line In/Mic In/Line Out, Compression: G.711		
Connector	Accessory Cable		
Communication			
Network Protocols	Transport: RTP (Unicast/multicast), UDP (Unicast/multicast), TCP Others: DNS, HTTP server, IGMP V1/V2, Telnet client and DHCP client		
Ethernet	10/100 Base-T Auto sensing, Half/Full Duplex		
Management			
Configuration	Remote: Via Web Access, Telnet, or Supported Video Management Software		
Regulatory			
FCC	FCC part 15 (class B)		
CE	FIEC60950, EN55022, EN55024, EN55130, EN55103-1, -2; EN61000-3, -2; EN61000-3, -3, RoHS		
UL/cUL	UL60950-1; CSA C22.2 No. 60950-1-03		
Warranty			
	2-year limited warranty, covering parts		

Other Specifications

Alarm	
Input	2 Dry Contacts
Output	1 System Relay - 60V AC/DC at 1000 mA max
Camera Presets and Patterns	
Presets	256
Patterns	4
Privacy Windows	16
Resume after Power	Yes
Home Function	Yes
Physical	
Dimensions (D x H) Indoor/Outdoor	5.2" x 8.9" (131mm x 226mm) 7.5" x 11.9" (190mm x 302.5mm)
Mount	Indoor Surface MT / Outdoor bracket
Unit Weight	Indoor: 4.35 lbs. (2.0 Kg) Outdoor: 6.3 lbs. (2.9Kg)
Unit Shipping Weight	Indoor: 6.3 lbs. (2.9Kg) Outdoor: 10.3 lbs. (4.7Kg)
Mechanical	
Manual Pan/Tilt Speed	0.1° - 90° per second (based on zoom position)
Preset Pan/Tilt Speed	400° per second
Pan Travel	360° Continuous
Tilt Travel	-10° to +100° (with auto-flip)
Pan/Tilt accuracy	±0.1°
Zoom/Focus Accuracy	±0.5°
Motors	Brushless micro stepping motors
Electrical	
Input Voltage	24VAC +/-10% or POE+ (Indoor models)
Power Consumption	20W (indoor) / 65W (outdoor)
Environment	
Indoor Operating Temperature	32° F to 122° F (0° C to 50° C)
Outdoor Operating Temperature	Peak Operating Temperature: 60C Continuous Operating Temperature: 50C Minimum Operating Temperature -40° C/F
Storage Temperature	32° F to 140° F (0° C to 60° C)
Fan and auto heater	Fan and Heater (outdoor version only)
Humidity	0 - 95% (non-condensing)
Ratings	IP66, NEMA 4 - Outdoor Version

Accessories - See Price Guide for Complete List

CX-SMOKE-0	Smoked Bubble	CX-ARMX-0	Short Wall Bracket
CP-RCSD-1	Recessed Kit	CX-ARMX-1	Long Wall Bracket
CX-CRNR-0	Exterior Corner Kit	CX-SWAN-0	Swan/Roof Mount
CX-PIPE-0	10" Drop Pipe Extension	CX-POLE-0	Pole Bracket

Example CP2101-301N		Series		Resolution in MP		Intelligence Packages		Zoom	Indoor/Outdoor	NTSC/PAL
CP	-	2	1	0		1	-	XX	X	X
Pan, Tilt, Zoom camera	-	2	1	0 = D1		1 = Intelligent Multi-Zone VMD	-	18 = 18X 30 = 30X 36 = 36X	0 = Indoor 1 = Outdoor	N = NTSC P = PAL